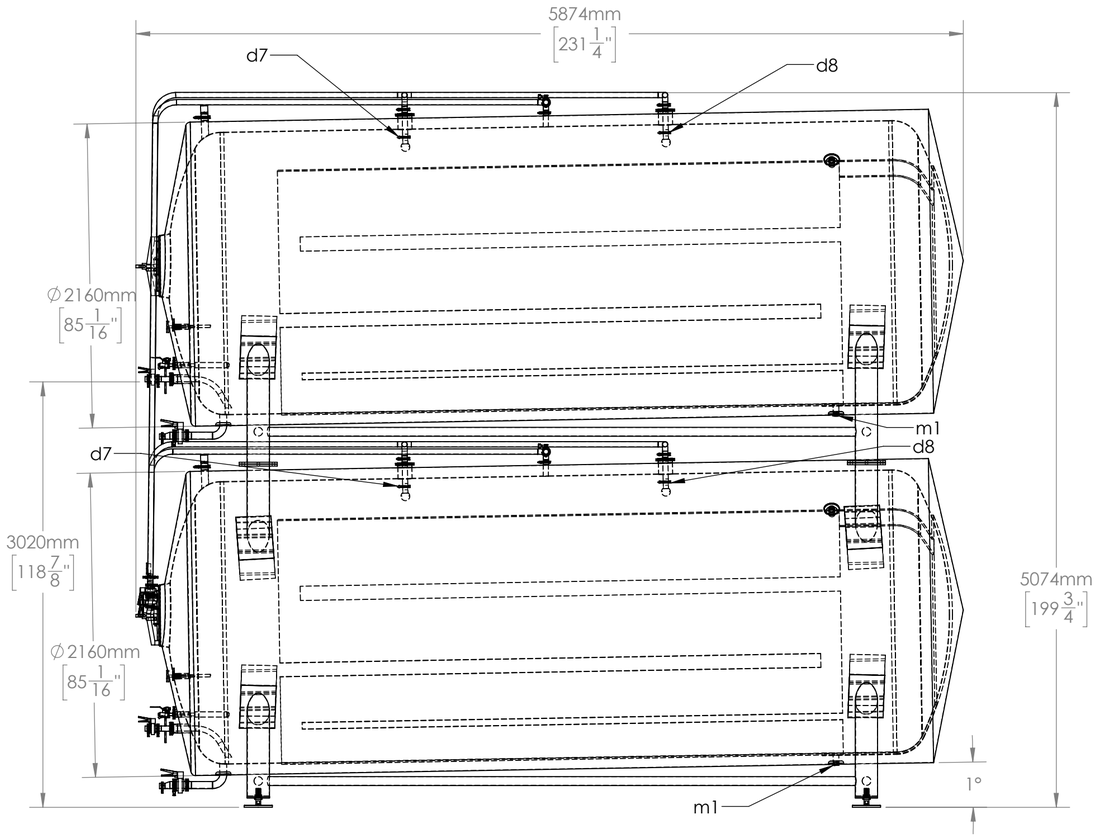

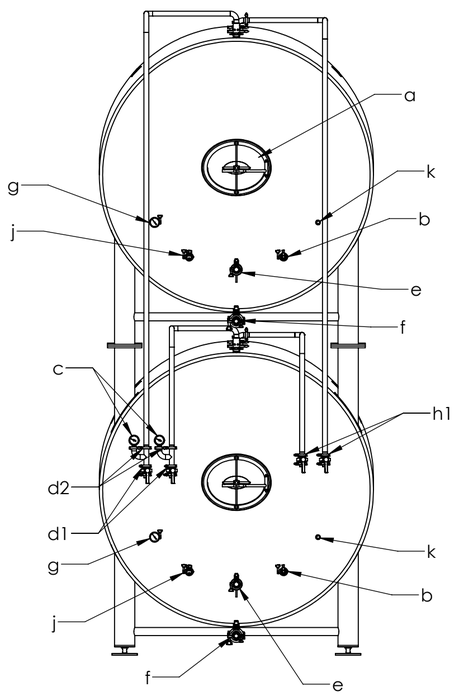

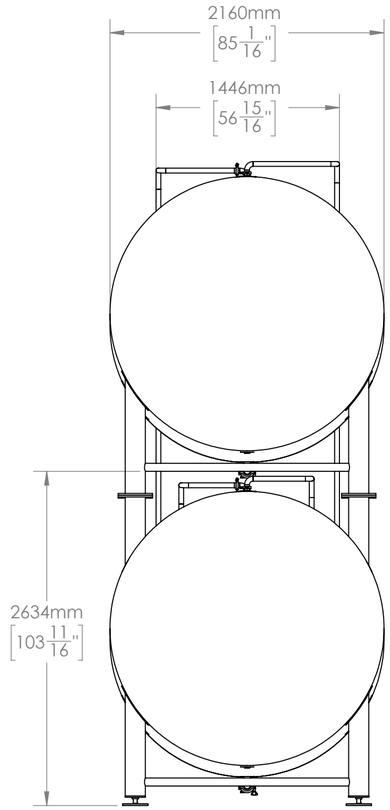

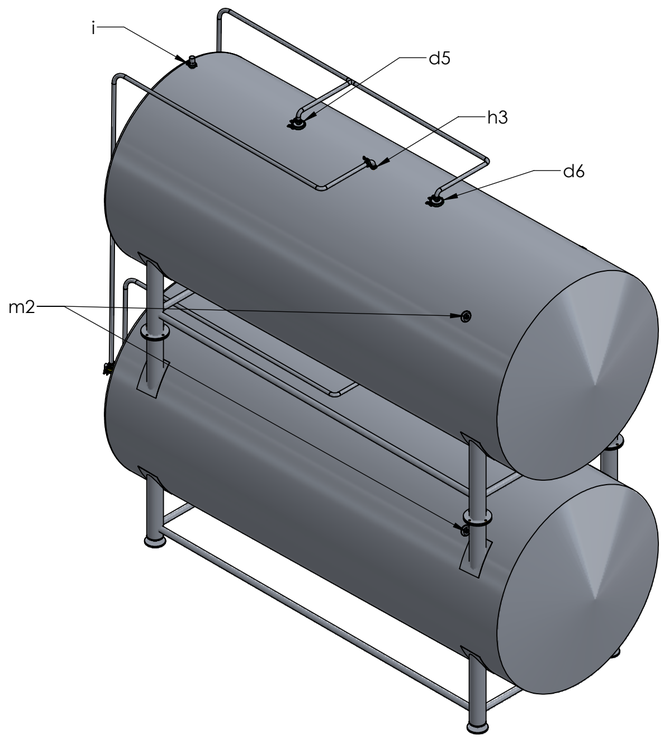

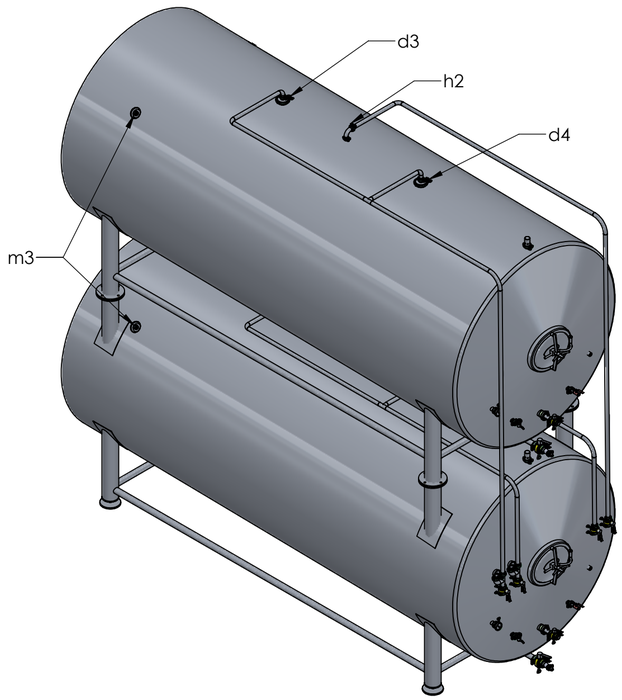

Design Data Sheet

Design Parameters (Metric)	Vessel	Jacket	Design Parameters (US Standard)	Vessel	Jacket
Working Pressure (MPa)	0.1	0.1	Working Pressure (psi)	14.5	14.5
Design Pressure (MPa)	0.2	0.4	Design Pressure (psi)	29	58
Working Temp (°C)	-5 - 40		Working Temp (°F)	23 - 104	
Design Temp (°C)	-10 - 50		Design Temp (°F)	14 - 122	
	Beer	Glycol		Beer	Glycol
Material	304	304	Material	304	304
Gross Voume (gal)	4389.6 (141.6BBL)		Gross Voume (gal)	4389.6 (141.6BBL)	
Net Volume (gal)	3720 (120BBL)		Net Volume (gal)	3720 (120BBL)	
Saftey Valve Act Pressure (MPa)	0.1		Saftey Valve Act Pressure (psi)	14.5	
Heat Exchange Area (m^2)	2.5		Heat Exchange Area (ft^2)	26.9	
Insulation Material	PU		Insulation Material	PU	
Insulation Thickness (mm)	80		Insulation Thickness (in)	3.2	
Pressure Test (MPa)	0.2	0.6	Pressure Test (psi)	29	87

Component Specifications

	Name	Connect Size (mm)	Connect Size (in)	Connect Type	Comments
a	Manhole	580x480	22.9x18.9		
b	CO2 Inlet	38.1	1.5	Clamp	
c	Pressure Gauge	38.1	1.5	Clamp	
d1-4	CIP Assembly Clamp	38.1	1.5	Clamp	4 clamps
d5-6	CIP Converter Clamp	101.6	4	Clamp	2 clamps
d7-8	CIP Spray Ball Clamp	38.1	1.5	Clamp	2 clamps
e	Beer Out	38.1	1.5	Clamp	2 clamps
f	Yeast Out	50.8	2	Clamp	Includes reducer to 1.5"
g	Temp Gauge	38.1	1.5	Clamp	
h1-3	Overflow	38.1	1.5	Clamp	3 clamps
i	Safe Valve	50.8	2	Clamp	
j	Sample Valve	38.1	1.5	Clamp	
k	Thermocouple Port		NPT ½"	Female Threaded	
m1	Glycol In		NPT 1"	Female Threaded	
m2-3	Glycol Out		NPT 1"	Female Threaded	

Dimensions

	(mm)	(in)
Total Height	5074	199.8
Total Length	5874	231.3
Tank Diameter	2160	85.1

Gasket Count

1.5"	32
2"	4
4"	4

	kg	lbs
Weight	4840	10670.4

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	NAME	DATE
DRAWN	MJM	8/18/2022
CHECKED	MWM	9/8/2022
ENG APPR.		
MFG APPR.		
COMMENTS:		

ABS COMMERCIAL

SIZE	TITLE:	REV
A	120LAGSA	A
SCALE: 1:40		SHEET 1 OF 1